

Listing of Claims:

Claims 1-61 (canceled)

62. (currently amended) A process for loading an oligosaccharide into an erythrocytic cell comprising:

providing an erythrocytic cell having cholesterol;

removing at least a portion of the cholesterol from the erythrocytic cell to produce an erythrocytic cell having a phase transition when the produced erythrocytic cell has a temperature within a temperature range selected from a group of temperature ranges ~~comprising~~ consisting of a low phase-transition temperature range, an intermediate phase-transition temperature range, and a high phase-transition temperature range; and

disposing the produced erythrocytic cell in an oligosaccharide solution for loading an oligosaccharide into the erythrocytic cell *in vitro*.

63. (previously presented) The process of Claim 62 wherein said oligosaccharide solution includes said temperature range.

64. (currently amended) The process of Claim 62 additionally comprising increasing the loading efficiency of the oligosaccharide into the erythrocytic cell by heating the oligosaccharide solution.

65. (previously presented) The process of Claim 62 wherein said low phase-transition temperature range ranges from a temperature greater than about 2°C to a temperature equal to or less than about 20°C .
66. (previously presented) The process of Claim 62 wherein said intermediate phase-transition temperature range ranges from a temperature greater than about 20°C to a temperature equal to or less than about 30°C .
67. (previously presented) The process of Claim 62 wherein said high phase-transition temperature range ranges from a temperature greater than about 30°C to a temperature equal to or less than about 50°C .
68. (previously presented) The process of Claim 67 wherein said high phase transition temperature range ranges from about 30°C to about 40°C .
69. (previously presented) The process of Claim 67 wherein said high phase transition temperature range ranges from about 32°C to about 38°C .
70. (previously presented) The process of Claim 62 wherein said oligosaccharide comprises trehalose.
71. (previously presented) The process of Claim 62 wherein said loading of the oligosaccharide comprises loading by fluid phase endocytosis.
72. (previously presented) The process of Claim 62 wherein said removing at least a portion of the cholesterol